Seating Capacity
- 2953 including 62 pit seats. For more detail see patron services info from your ESR.
- See pages 19-22 of full Production Guide for seat capacity details and ADA info.

Stage Dimensions
- Proscenium: 60’ wide x 35’ high
- Grid Height: 100’
- Stage is 3’6” above house floor
- Depth: apron edge to plaster line 4’10.5”
- Depth: apron edge to main drape 6’
- Depth: apron edge to back wall 74’
- Depth: plaster line to upstage electric’s catwalk 60’
- First balcony rail to plaster line 84’
- U-Shaped electrics catwalk located on stage left, stage right and upstage; clearance stage floor to underside of catwalk is 40’
- Lock rails at stage level and at 40’ catwalk.
- Two loading galleries.

Stage Right Wing: (measured from proscenium opening)
- 14’ to electrics catwalk overhead
- 19’ to locking rail

Stage Left Wing: (measured from proscenium opening)
- 17’6” to electrics catwalk overhead
- 24’ to SL wing curtain
- 80’ wide x 40’ high motorized wing curtain to mask scenery handling area. Black velour (no acoustic isolation)

Scenery Handling Area Stage Left:
- 70’ deep x 75’ wide (including 600 sq. ft. scenery lift)

Stage Floor Trapped Area:
- 42’10” deep x 25’10” wide with two levels of trap rooms (Pit Level and Lower Level). Trap panel sizes vary, most are 6’ x 8’.

Stage Floor:
- Black dyed and sealed maple; rated load is 250lbs. per square foot

Orchestra Pit
Two curved lift platforms
- US lift: 9’1” deep at CL x 67’ wide
- DS lift: 6’10” deep at CL x 70’-7” wide
- Each section can be set at: Stage Level to expand apron, Auditorium Level for audience seating, Pit Level as flat floor or two-tiered Pit.
- Orchestra capacity – 90
- The 3’6” high wall between the pit and the audience has two doors which open to allow audience to enter when set as audience seating. This wall also has fill speakers concealed in it.

Power
Stage Area:
- Upstage Right, 2 each 400A disconnects. Additional available if house lighting system is not in use.
- Downstage 50’ Off Left 200A, audio technical power panel
- Downstage Left 100A, audio technical power for mixing console
- Six 60A 3 phase Hubbell pin and sleeve receptacles spread around stage

Electrics Catwalk:
- 2 400A disconnects
- 3 300A disconnects

FOH Catwalk:
- 2 200A disconnects
- 2 60A 3 phase Hubbell pin and sleeve receptacles

Scenery Handling Area:
- 200A disconnect, audio technical power
- 200A disconnect for tools/motors
- 200A disconnect for lighting

Stage Level Loading Dock:
- 400A disconnect
- Lower Level Loading Dock:
- 200A 3 phase 5 wire disconnect 208Y/120 VAC

Loading Docks
Access to loading docks is via Gate 7 at the intersection of 4th Avenue and Republican St. See map on page 18 of full Production Guide.

Stage Level Loading Dock: 500 sq. ft loading dock with two levelers and two bays
- Two load-in roll doors 10’ wide x 12’ high ea.
- Distance from load-in to stage = 138’, straight push
- Capacity for two trucks
- 2,600 sq. ft. receiving space
- See Power, above.

Lower Level Loading Dock: one bay for broadcast trucks and buses.
- See Power, above.
Parking
The following parking options MUST be arranged in advance with your Event Service Representative.
Stage Level Dock: One bus or truck, plus 4 personal vehicles can remain on the stage loading dock during a performance for best access to stage.
Lower Level Loading Dock: One bus can park at the lower loading dock. Access to stage is via elevator and a separate door guard is required.
4th Avenue: Room for up to three buses. Good access to backstage, no shore power.
Mercer St. Garage: Up to seven parking permits per day in the Mercer St. Garage are included with full facility rent. No oversize vehicles.

Stage and Sound Labor Quick Guide
This is not an all-encompassing description of the Stage Department's employee agreement, but includes answers to FAQs. Stage Crew are represented by IATSE Local 15, working under contract with City of Seattle.
For current rates, see page 17 of full Production Guide.
• All work calls involving a crew require a Stage Lead. There are usually two Stage Leads onsite at all times; a House Steward and Electrician.
• Sound Operators are IBEW Local 46, and operate all House sound and video equipment.
• Intermittent rate applies to:
  o All workers (except stage leads) during show rehearsals and performances.
  o Forklift drivers, Genie lift bucket work, heavy equipment operators, truck loaders, spot operators.
• Rigger Rate applies to:
  o All rigging work.
  o Box boom focusing and other requiring harness.
  o All scaffolding work above 6 feet; workers must wear fall protection.
  o All boom lift work; workers must wear fall protection.
  o All truss work, focusing truss lights and truss spotlight operators.
• Four-hour minimum. Work period of 5 hours without a meal break is allowed and often used.
• Pay is on the ½ hour. The exception is after a meal break, employees come back to work for one hour minimum.
• If a break of more than two hours occurs, a second 4 hour minimum is applicable.
• Overtime rate applies after 8 hours or on City holidays.
• Meal penalties are after 5 hours at twice current rate until broken. If a half hour break is given a hot catered meal must be provided.
• No premium pay for work between midnight and 8am or on weekends.
• Generally, spotlight ops work show only and not the out.

Elevators
Scenery Elevator
• Scenery lift located in SL wing, 14’11” x 36’3”
• Weight capacity 33,000lbs. dynamic load / 83,000lbs. static load
• Moves scenery/equipment from Lower Level to Stage Level

Elevator 5 – Passenger Elevator
• Located in stage left scenery handling area
• Access to stage level, lower level loading, orchestra pit, front of house lobby levels, kitchen
• 5’8”w x 8’5”d x 7’5”h. Door 4’w x 7’h

Elevator 6 – Freight and Passenger Elevator
• Located in stage right dressing room hallway
• Access to Stage Door entrance, lower level, orchestra pit, stage level, Rehearsal Hall
• 8’8”w x 9’4”d x 9’4”h. Door 6’w x 7’h

Lifts and Ladders
• Two Genie lifts AWP-40S, DC, working ht. 46’6”
• One Forklift (Must be arranged in advance.)
  o 3000 lbs. lifting capacity, forks are 4’l”long, 2”high/4”wide
  o 6428 lbs. vehicle weight
• Lots of ladders

Platforms
Please consult with your ESR about your staging needs. Platforms and choral risers are available.

Pianos
• One Steinway B Grand, 7’, refurbished in 2003, refinished in 2018. Also used in Lecture Hall. Suitable for pit piano use and non-classical ensemble use onstage.
• One Steinway Upright Grand, rehearsal quality.
• See Equipment and Services addendum for rates, page 16 of full Production Guide.
• Additional instruments may be rented from outside vendors.
Soft Goods

Main Drape:
- Red, with jewels, 100% fullness 25-ounce velour
- Vertical travel (guillotine)
- Motorized with variable speed control
- Off-stage edge wire guided, split on center for paging

<table>
<thead>
<tr>
<th>Qty in stock</th>
<th>Masking and Screens:</th>
<th>Dimensions</th>
<th>Included with rental</th>
<th>Available at additional cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Full-stage traveler - black velour, 50% fullness, w/track</td>
<td>2 @ 41'6&quot; x 45'</td>
<td>Not Included</td>
<td>One @ $250</td>
</tr>
<tr>
<td>1</td>
<td>Blackout drop, split, sewn flat</td>
<td>2 @ 40' x 40'</td>
<td>Not Included</td>
<td>Pair @ $150</td>
</tr>
<tr>
<td>2</td>
<td>Blackout drop, sewn flat</td>
<td>80' x 50'</td>
<td>Up to one</td>
<td>One @ $150</td>
</tr>
<tr>
<td>7</td>
<td>Pairs of legs - black velour</td>
<td>16' x 45'</td>
<td>Up to 4 pairs</td>
<td>Four pair @ $50 / pair</td>
</tr>
<tr>
<td>7</td>
<td>Borders - black velour</td>
<td>80' x 16'</td>
<td>Up to four</td>
<td>Three @ $25 each</td>
</tr>
<tr>
<td>2</td>
<td>Scrims - black &amp; dark blue, cotton sharkstooth</td>
<td>80' x 50'</td>
<td>Not Included</td>
<td>Two @ $350 each</td>
</tr>
<tr>
<td>1</td>
<td>White Rear Projection screen / cyc</td>
<td>65' x 38'</td>
<td>Not Included</td>
<td>One @ $350</td>
</tr>
<tr>
<td>1</td>
<td>Truss framed rear projection screen (16:10 ratio)</td>
<td>40' x25'</td>
<td>Not included</td>
<td>One @ $900</td>
</tr>
<tr>
<td>1</td>
<td>AV Stumfl Screen, front or rear (16:9 ratio)</td>
<td>20' x 11'6&quot;</td>
<td>Not included</td>
<td>One @ $600</td>
</tr>
</tbody>
</table>

Susan Brotman Auditorium
Rigging System

- Counterweight rigging by Clancy, standard single purchase system, 112 line sets on 6" centers (batten lengths 80').
- First line set is 1'9" upstage of plaster line, and is 1" downstage of the Main Drape. The second line set is 3'8" upstage of the plaster line. Line sets continue at 6" on center.
- Grid Ht.100' above stage floor.
- Lock rails at stage level and on 40' catwalk. Two loading galleries.
- Fire Curtain is a framed metal 'wall', 9" thick, 3" upstage of the plaster line. The plane of the fire curtain must remain clear.
- Thirty computer-controlled spot winches (Stage Technologies Nomad System) upstage for use independently or in conjunction with conventional counterweight system.
- There is no rigging (motorized or counterweight) in the extreme upstage 9' of the stage, due to electrics catwalk overhead.
- Front of House: nine sound/light rigging slots over apron, running upstage to downstage, 4000 lbs. point load typical.
Please see above chart for info on our FOH hang.

McCaw Hall does not have a house hang over the stage. Each event is responsible for hanging and clearing the lighting for its event. We make every effort to facilitate cooperation between clients' needs to minimize expenses. Please consult your ESR or the McCaw Hall Production Manager for more info.

Lighting Control Consoles
2 ea. ETC EOS Ti Consoles control stage dimmers, scrollers, moving lights, over an ETC Net3 data network. Lighting booth located orchestra level House Center. Secondary lighting control SR.

FOH Console location for shows traveling with production
Flat floor section, 8' x 5', in back row of orchestra level, house left of light booth. Approx. 16' from sound mix.

Dimmers
ETC Sensor AF Dimmer Racks
- 960 20A stage dimmers hardwired dimmer per circuit.
- Portable 6kW dimmer packs are available.
- Circuit distribution over the stage is via multi-cables.

Followspots
4 Lycian 1290 XLT Xenon follow spots in follow spot booth located above Second Tier. Throw distance to center stage: 170'. Spots can hit first 12 rows of audience seating.
Mix Positions
All positions have cable paths from stage and loading docks
- House Center Mix, 80’ from center stage, 200’ cable path to stage
left mix, in front of balcony overhang. Kills 21 seats, plus 18 view
obstructed seats (39 seats total). Level floor 10’ w x 8’ d.
- Mini Mix, for lectures, located in Dress Circle, kills ~12 seats.
- Stage left monitor mix position with audio power and snake tube.

Consoles
- 2 Yamaha Rivage PM10 control surfaces, one large, one compact
  The PM10 includes all processing and effect functions.
- 2 Yamaha Rivage PM10 DSP’s.
- 2 Yamaha Rivage RP10 racks, with 96 inputs, 64 outputs, plus
  Dante network.
- Yamaha QL1 or QL5 available for smaller events by request.
- Outside consoles can drive the house PA by analog, AES, or
  Dante

Auditorium Speaker Systems
- Three line arrays, Left, Center, Right. Each array has nine cabinets
  of D&B Audiotechnik V-series, V-12 and V-8. They are flown
  above the prosenium arch.
- Additional left and right prosenium systems are available for
  imaging. These consist of upper and lower JBL Venue Series
  cabinets, three ways with 15”, 10” and 1.5” drivers.
- Subwoofer systems in the prosenium, left and right, one each
  double 15” and double 18” cabinets per side.
- Additional four single 18” powered subwoofers available.
- Fills and delays are available in the pit rail, on the stage lip, under
  the first boxes, under each balcony and above the second tier.

Stage Monitor and Effects Systems
- Eight monitor wedge mixes are available, plus two side-fill mixes.
- Additional mixes for in-ear monitors are available.
- 11 (eleven) JBL Custom Shop TTM129 12” x 2” wedge monitor
  speakers, including cue.
- 2 JBL Custom Shop 3-way 1 x 18”, 1 x horn loaded 10”, 1 x 2”
  side-fill monitor speaker systems
- 2 JBL Custom Shop single 18” monitor system sub-woofers
- Onstage effects speakers available, various types

Amplifiers
- D&B Audiotechnik 30D amplifier for all line array cabinets
- Crown MacroTech 600, 1200, 3600 for L/R prosenium systems
- Crown MacroTech 3600x1200 wedge monitor amps with DSP
- Crown MacroTech 3600 and 1200 side-fill system amps
- Lab Gruppen C Series for fill, effects and page/program systems

Processing
- BSS Soundweb London processors throughout.

Microphones
- Wired: Large inventory including Neumann, Microtech Gefell,
  Sennheiser, EV, Audio Technica and Shure.
- Wireless: 16 Shure ULXD receivers with handheld or bodypack
  transmitters and a variety of lavalier and headworn microphone
  elements.
- Frequency coordination service for our equipment and clients’
  systems available and required when systems are mixed.

Independent Lobby Systems
- The Grand Lobby and several other function rooms have separate
  ceiling speaker systems featuring Yamaha O1V96 mixers.
- These systems also interface with the main auditorium systems.

Infrastructure
- Microphone, Line level, and Video tie lines throughout the
  building.
- Copious cable passageways from loading docks to stage and house
  positions.

Intercom: 8 channels of Clear-Com available with full inventory of
headsets, beltpacks and biscuits. Radio Active Designs wireless
intercom. UHF/VHF, 24 belt packs.

Assistive Listening: Sennheiser infrared system with 65 headsets
including 8 neck loop hearing aid compatible units.

Audio Description Booth located Orchestra Level house left.
Backstage monitor system in all hallways, dressing rooms and
performer lounges w/ priority paging.

Remote Recording Locations
- Orchestra Level audio booth house right
- First Tier broadcast booth house left
- Cable access and power at both loading docks

Video
- Camera locations: First Tier rail, projection booth, or
  follow-spot booth. Depending on lighting control needs, the
  best camera location is at the back of the orchestra level, house
  left of the light booth. Cable path 200’ to stage.
- In-house video tie lines to most areas.
- Permanent monitors in FOH areas for monitoring stage or
  support of local programming
- Portable video monitor inventory for stage or lobby use
- Color and infrared cameras available for stage monitoring
- Contact ESR for camera packages, projectors, switchers, etc.

See Power Section, page 1 for Audio Technical Power
disconnects.
Dressing Rooms

**Stage Level:** 13 principal dressing rooms located stage right, capacity 1-4 each, includes: make-up counter with lights and outlet strip, private restroom with shower, wardrobe rack, direct stage access.

**Lower Level:** (not shown): 5 chorus dressing rooms, capacity 15-20 each (94 stations total), includes: dressing station, restroom with showers, make-up counters with lights and outlet strips, wardrobe racks, wire baskets for storing personal items. Consult your ESR for availability.

Wardrobe

Stage level wardrobe room adjacent to principal dressing rooms, with 2 washers, 2 dryers, a steamer, ironing board and iron, work tables, racks.

Production Offices

Rooms 440A and 440C: Two offices at stage level. 100 sq. ft. each, with table, chairs, phone and data lines (consult your ESR). Additional production office spaces possible.

Additional Artist/Crew Spaces

**Stage Level**
- Green Room, 900 sq. ft. with sink, refrigerator, microwave. Best backstage catering location.
- Props room with sink, refrigerator, microwave and stov. Good for backstage catering support.
- Therapy or Make-up room with ice machine, make-up mirrors/counters, and space for massage table.
- Crew room located stage left.

**Orchestra Pit Level**
- Musicians lounge
- Musicians changing rooms (men's/women's)

**Rehearsal Hall Level** (inquire re availability)
- 54' x 78'. Rehearsal Hall with private restrooms, elevator access and acoustical isolation. 20' high ceiling. Resilient dance floor surface.
- Rehearsal Hall lounge / break space
- Three private coaching rooms adjacent to Rehearsal Hall with acoustical isolation.